

# CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/892351

CRF Processing Date: 7/30/98

Edited by: h

Verified by: h (STIC staff)

1634

#10 1/2

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

**ENTERED**

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_.

☐ Inserted mandatory headings, specifically: \_\_\_\_\_

☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

☒ Other:

inserted hard return globally in (D) OTHER INFO: section

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/897,351DATE: 07/30/98  
TIME: 14:07:03

INPUT SET: S27790.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.	Does Not Comply Corrected Diskette Needed
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1 SEQUENCE LISTING

2

3 (1) General Information:

4 (i) APPLICANT: NEBOJSA JANJIC, LARRY GOLD, PAUL G. SCHMIDT, CHANDRA VARGESE, MICHA

5 (ii) TITLE OF THE INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) NUCLEIC ACID

6 (iii) NUMBER OF SEQUENCES: 88

7 (iv) CORRESPONDENCE ADDRESS:

8 (A) ADDRESSEE: Swanson and Bratschun, L.L.C.

9 (B) STREET: 8400 East Prentice Avenue, Suite #200

10 (C) CITY: Denver

11 (D) STATE: Colorado

12 (E) COUNTRY: USA

13 (F) ZIP: 80111

14

15 (v) COMPUTER READABLE FORM:

16 (A) MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage

17 (B) COMPUTER: IBM compatible

18 (C) OPERATING SYSTEM: MS-DOS

19 (D) SOFTWARE: WordPerfect 6.1

20

21 (vi) CURRENT APPLICATION DATA:

22 (A) APPLICATION NUMBER: 08/897,351

23 (B) FILING DATE: 21 JULY 1997

24 (C) CLASSIFICATION:

25

26 (vii) PRIOR APPLICATION DATA:

27 (A) APPLICATION NUMBER: 08/870,930

28 (B) FILING DATE: 6 JUNE 1997

29

30 (viii) ATTORNEY/AGENT INFORMATION:

31 (A) NAME: Barry J. Swanson

32 (B) REGISTRATION NUMBER: 33,215

33 (C) REFERENCE/DOCKET NUMBER: NEX61CIP

34

35

36 (ix) TELECOMMUNICATION INFORMATION:

37 (A) TELEPHONE: (303) 793-3333

38 (B) TELEFAX: (303) 793-3433

39

40 (2) INFORMATION FOR SEQ ID NO: 1:

41 (i) SEQUENCE CHARACTERISTICS:

42 (A) LENGTH: 78

43 (B) TYPE: nucleic acid

44 (C) STRANDEDNESS: single

45 (D) TOPOLOGY: linear

46 (ii) MOLECULE TYPE: RNA

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/897,351DATE: 07/30/98  
TIME: 14:07:05

INPUT SET: S27790.raw

47 (ix) FEATURE:  
48 (D) OTHER INFORMATION:  
49  
50 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
51 TAATACGACT CACTATAGGG AGGACGATGC GGNNNNNNNNN NNNNNNNNNN50  
52 NNNNNNNNNN NNCAGACGAC TCGCCCGA78  
53  
54 (2) INFORMATION FOR SEQ ID NO: 2:  
55 (i) SEQUENCE CHARACTERISTICS:  
56 (A) LENGTH: 88  
57 (B) TYPE: nucleic acid  
58 (C) STRANDEDNESS: single  
59 (D) TOPOLOGY: linear  
60 (ii) MOLECULE TYPE: RNA  
61 (ix) FEATURE:  
62 (D) OTHER INFORMATION:  
63  
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
65 TAATACGACT CACTATAGGG AGGACGATGC GGNNNNNNNNN NNNNNNNNNN50  
66 NNNNNNNNNN NNNNNNNNNN NNCAGACGAC TCGCCCGA88  
67  
68 (2) INFORMATION FOR SEQ ID NO: 3:  
69 (i) SEQUENCE CHARACTERISTICS:  
70 (A) LENGTH: 16  
71 (B) TYPE: nucleic acid  
72 (C) STRANDEDNESS: single  
73 (D) TOPOLOGY: linear  
74 (ii) MOLECULE TYPE: RNA  
75 (ix) FEATURE:  
76 (D) OTHER INFORMATION:  
77  
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
79 TCGGGCGACT CGTCTG16  
80  
81 (2) INFORMATION FOR SEQ ID NO: 4:  
82 (i) SEQUENCE CHARACTERISTICS:  
83 (A) LENGTH: 32  
84 (B) TYPE: nucleic acid  
85 (C) STRANDEDNESS: single  
86 (D) TOPOLOGY: linear  
87 (ii) MOLECULE TYPE: RNA  
88 (ix) FEATURE:  
89 (D) OTHER INFORMATION:  
90  
91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
92 TAATACGACT CACTATAGGG AGGACGATGC GG32  
93  
94 (2) INFORMATION FOR SEQ ID NO: 5:  
95 (i) SEQUENCE CHARACTERISTICS:  
96 (A) LENGTH: 28  
97 (B) TYPE: nucleic acid  
98 (C) STRANDEDNESS: single  
99 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/897,351DATE: 07/30/98  
TIME: 14:07:06

INPUT SET: S27790.raw

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100 (ii) MOLECULE TYPE: RNA  
101 (ix) FEATURE:  
102 (D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and  
103 (ix) FEATURE:  
104 (D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, a  
105 (ix) FEATURE:  
106 (D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine  
107  
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
109 CGGAAUCAGU GAAUGCUUUAU ACAUCCGT28  
110  
111 (2) INFORMATION FOR SEQ ID NO: 6:  
112 (i) SEQUENCE CHARACTERISTICS:  
113 (A) LENGTH: 28  
114 (B) TYPE: nucleic acid  
115 (C) STRANDEDNESS: single  
116 (D) TOPOLOGY: linear  
117 (ii) MOLECULE TYPE: RNA  
118 (ix) FEATURE:  
119 (D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and  
120 (ix) FEATURE:  
121 (D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, a  
122 (ix) FEATURE:  
123 (D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine  
124  
125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
126 CGGAAUCAGU GAAUGCUUUAU ACAUCCGT28  
127  
128 (2) INFORMATION FOR SEQ ID NO: 7:  
129 (i) SEQUENCE CHARACTERISTICS:  
130 (A) LENGTH: 28  
131 (B) TYPE: nucleic acid  
132 (C) STRANDEDNESS: single  
133 (D) TOPOLOGY: linear  
134 (ii) MOLECULE TYPE: RNA  
135 (ix) FEATURE:  
136 (D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and  
137 (ix) FEATURE:  
138 (D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, a  
139 (ix) FEATURE:  
140 (D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine  
141  
142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
143 CGGAAUCAGU GAAUGCUUUAU ACAUCCGT28  
144  
145 (2) INFORMATION FOR SEQ ID NO: 8:  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 28  
148 (B) TYPE: nucleic acid  
149 (C) STRANDEDNESS: single  
150 (D) TOPOLOGY: linear  
151 (ii) MOLECULE TYPE: RNA  
152 (ix) FEATURE:

*all text  
must be  
visible on  
page*

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/897,351DATE: 07/30/98  
TIME: 14:07:07

INPUT SET: S27790.raw

153 (D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and  
154 (ix) FEATURE:  
155 (D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, a  
156 (ix) FEATURE:  
157 (D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine  
158  
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
160 CGGAAUCAGU GAAUGCUUUAU ACAUCCGT28  
161  
162 (2) INFORMATION FOR SEQ ID NO: 9:  
163 (i) SEQUENCE CHARACTERISTICS:  
164 (A) LENGTH: 28  
165 (B) TYPE: nucleic acid  
166 (C) STRANDEDNESS: single  
167 (D) TOPOLOGY: linear  
168 (ii) MOLECULE TYPE: RNA  
169 (ix) FEATURE:  
170 (D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and  
171 (ix) FEATURE:  
172 (D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, a  
173 (ix) FEATURE:  
174 (D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine  
175  
176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
177 CGGAAUCAGU GAAUGCUUUAU ACAUCCGT28  
178  
179 (2) INFORMATION FOR SEQ ID NO: 10:  
180 (i) SEQUENCE CHARACTERISTICS:  
181 (A) LENGTH: 61  
182 (B) TYPE: nucleic acid  
183 (C) STRANDEDNESS: single  
184 (D) TOPOLOGY: linear  
185 (ii) MOLECULE TYPE: RNA  
186 (ix) FEATURE:  
187 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
188  
189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
190 GGGAGGACGA UGCGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNCAGAC50  
191 GACUCGCCCG A61  
192  
193 (2) INFORMATION FOR SEQ ID NO: 11:  
194 (i) SEQUENCE CHARACTERISTICS:  
195 (A) LENGTH: 71  
196 (B) TYPE: nucleic acid  
197 (C) STRANDEDNESS: single  
198 (D) TOPOLOGY: linear  
199 (ii) MOLECULE TYPE: RNA  
200 (ix) FEATURE:  
201 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
202  
203 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
204 GGGAGGACGA UGCGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN50  
205 NNNNNCAGAC GACUCGCCCG A71

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/897,351DATE: 07/30/98  
TIME: 14:07:07

INPUT SET: S27790.raw

206  
207 (2) INFORMATION FOR SEQ ID NO: 12:  
208 (i) SEQUENCE CHARACTERISTICS:  
209 (A) LENGTH: 61  
210 (B) TYPE: nucleic acid  
211 (C) STRANDEDNESS: single  
212 (D) TOPOLOGY: linear  
213 (ii) MOLECULE TYPE: RNA  
214 (ix) FEATURE:  
215 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
216  
217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
218 GGGAGGACGA UGCGGAAGAA UUGGUCAUCG UCGUCUCCGC CUCCCCAGAC50  
219 GACUCGCCCCG A61  
220  
221 (2) INFORMATION FOR SEQ ID NO: 13:  
222 (i) SEQUENCE CHARACTERISTICS:  
223 (A) LENGTH: 61  
224 (B) TYPE: nucleic acid  
225 (C) STRANDEDNESS: single  
226 (D) TOPOLOGY: linear  
227 (ii) MOLECULE TYPE: RNA  
228 (ix) FEATURE:  
229 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
230  
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
232 GGGAGGACGA UGCGGAAUAC GGAAGAAUUG GAUACAU AUG CUCGUCAGAC50  
233 GACUCGCCCCG A61  
234  
235 (2) INFORMATION FOR SEQ ID NO: 14:  
236 (i) SEQUENCE CHARACTERISTICS:  
237 (A) LENGTH: 61  
238 (B) TYPE: nucleic acid  
239 (C) STRANDEDNESS: single  
240 (D) TOPOLOGY: linear  
241 (ii) MOLECULE TYPE: RNA  
242 (ix) FEATURE:  
243 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
244  
245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
246 GGGAGGACGA UGCGGGAUAA CAGAAGAAU GGUGAACAAC GUGGUCAGAC50  
247 GACUCGCCCCG A61  
248  
249 (2) INFORMATION FOR SEQ ID NO: 15:  
250 (i) SEQUENCE CHARACTERISTICS:  
251 (A) LENGTH: 61  
252 (B) TYPE: nucleic acid  
253 (C) STRANDEDNESS: single  
254 (D) TOPOLOGY: linear  
255 (ii) MOLECULE TYPE: RNA  
256 (ix) FEATURE:  
257 (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified  
258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/897,351**

DATE: 07/30/98  
TIME: 14:07:12

***INPUT SET: S27790.raw***

Line

Error

Original Text